

FORM PTO-1449
(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

99,720

09/521,788

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE
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Applicant:
Michael S. Borella et al.Filing Date:
March 9, 2000Group:
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
M J B	5,793,763	08-11-98	Mayes et al.	370	389	11-03-95
M J B	5,636,216	06-03-97	Fox et al.	370	402	04-08-94
M J B	5,227,778	07-13-93	Vacon et al.	340	825.52	04-05-91
M J G	5,550,984	08-27-96	Gelb	395	200.17	12-07-94
M J D	5,867,660	02-02-99	Schmidt et al.	395	200.57	05-11-95
M J B	5,872,847	02-16-99	Boyle et al.	380	25	07-30-96
M J D	5,812,819	09-22-98	Rodwin et al.	395	500	06-05-95
M J G	5,708,655	01-13-98	Toth et al.	370	313	06-14-96
M J D	5,159,592	10-27-92	Perkins	370	85.7	10-29-90
M J D	6,055,236	4-25-00	Nesbett et al.	370	389	03-17-99
M J D	6,011,782	01-04-00	DeSimone et al.	370	260	05-08-97
M J D	5,526,489	06-11-96	Nilakantan et al.	395	200.02	03-19-93
M J D	5,889,774	03-30-99	Mirashrafi et al.	370	352	03-14-97
M J D	5,737,333	04-07-98	Civanlar et al.	370	352	06-23-95
M J D	5,654,957	08-05-97	Koyama	370	355	05-09-95
M J D	5,604,737	02-18-97	Iwami et al.	370	352	12-13-94
M J D	5,867,495	02-02-99	Elliott et al.	370	352	11-18-96
M J D	5,526,353	06-11-96	Henley et al.	370	60.1	12-20-94
M J D	5,742,596	04-21-98	Baratz et al.	370	356	12-14-95
M J D	5,950,195	09-07-99	Stockwell et al.	707	4	09-18-96
M J D	6,079,021	06-20-00	Abadi et al.	713	202	06-02-97

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	22.	6,134,591	10-17-00	Nickles	709	229	06-18-97
	23.	5,933,778	08-03-99	Buhrmann et al.	455	461	06-04-96
	24.	5,915,008	06-22-99	Dulman	379	201	10-04-05
	25.	5,606,594	02-25-97	Register et al.	379	58	01-27-94
	26.	5,497,339	03-05-96	Bernard	364	705.5	08-02-94
	27.	4,953,198	08-28-90	Daly et al.	379	61	07-05-89
	28.	6,055,561	04-25-00	Feldman et al.	709	200	09-30-97
	29.	6,104,711	08-15-00	Voit	370	352	03-06-97
	30.	6,101,543	08-08-00	Alden et al.	709	229	10-25-96
	31.	5,892,924	04-06-99	Lyon et al.	395	200.75	01-31-96
	32.	6,058,421	05-02-00	Fijolek et al.	709	225	02-04-98
	33.	6,115,751	09-05-00	Tam et al.	709	240	04-10-97
	34.	6,195,705	02-27-01	Leung	709	245	06-30-98
	35.	6,266,707	07-24-01	Boden et al.	709	245	08-17-98
	36.	6,101,189	08-08-00	Tsuruoka	370	401	09-18-97
	37.	6,137,791	10-24-00	Frid et al.	370	352	03-25-97
	38.	6,353,891	03-05-02	Borella et al.	713	201	08-09-00
	39.	6,353,614	03-05-02	Borella et al.	370	389	03-05-98
	40.	6,269,099	07-31-01	Borella et al.	370	389	07-01-98

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,720	Serial No. 09/521,788
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JP	41. 6,172,986	01-09-01	Watanuki et al.	370	466	05-07-98
JP	42. 5,862,331	01-19-99	Herriot	395	200.49	06-21-96
JP	43. 6,249,820	06-19-01	Dobbins et al.	709	238	05-06-98
JP	44. 6,212,563	04-03-01	Beser	709	227	10-01-98
JP	45. 5,835,723	11-10-98	Andrews et al.	395	200.56	12-28-95
JP	46. 5,754,547	05-19-98	Nakazawa	370	401	04-26-96
JP	47. 6,212,183	04-03-01	Wilford	370	392	08-22-97
JP	48. 6,185,184	02-06-01	Mattaway et al.	370	230	09-25-96

FOREIGN DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
JP	49. WO 01/31888 A1	05-03-01	PCT	H04L	29/06	

OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

JP	50. G. Montene, Internet Engineering Task Force, Internet Draft, "Negotiated Address Reuse" (NAR), <draft-montenegro-aatn-nar-00.txt>, May 1998, Pgs. 1 to 22.
JP	51. George Tsirtsis, Alan O'Neill, Internet Engineering Task Force, Internet Draft, "NAT Bypass for End 2 End 'Sensitive' Applications," <draft-tsirtsis-nat-bypass-00.txt>, January 1998, Pgs. 1 to 5.
JP	52. George Tsirtsis, Pyda Srihuresh, Internet Engineering Task Force, Internet Draft, "Network Address Translation – Protocol Translation" (NAT-PT), <draft-ietf-ngrtrans-natpt-04.txt>, January 1999, Pgs. 1 to 13.

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
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OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

53.	Jeffrey Lo, K. Taniguchi, Internet Engineering Task Force, Internet Draft, "IP Host Network Address (and port) Translation," <draft-ietf-nat-hnat-00.txt>, November 1998, Pgs. 1 to 13.
54.	Michael Borella, David Grabelsky, Ikhlaq Sidhu, Brian Petry, Internet Engineering Task Force, Internet Draft, "Distributed Network Address Translation," <draft-borella-aatn-dnat-01.txt>, October 1998, Pgs. 1 to 21.
55.	P. Srisuresh, G. Tsirtsis, P. Akkiraju, A. Heffernan, Internet Engineering Task Force, Internet Draft, "DNS Extensions to Network Address Translators" (DNS_ALG), <draft-ietf-nat-dns-alg-01.txt>, October 1998, Pgs. 1 to 24.
56.	P. Srisuresh, Internet Engineering Task Force, Internet Draft "Security for IP Network Address Translator (NAT) Domains," <draft-ietf-nat-security-00.txt>, November 1998, Pgs. 1 to 11.
57.	P. Srisuresh, K. Eg, Internet Engineering Task Force, Internet Draft, "The IP Network Address Translator" (NAT), <draft-rfced-info-srisuresh-05.txt>, February 1998, Pgs. 1 to 24.
58.	P. Srisuresh, K. Egev, Internet Engineering Task Force, Internet Draft, "Traditional IP Network Address Translator (Traditional NAT)," <draft-ietf-nat-traditional-01.txt>, October 1998, Pgs. 1 to 17.
59.	P. Srisuresh, Matt Holdrege, Internet Engineering Task Force, Internet Draft, "IP Network Address Translator (NAT) Terminology and Considerations," <draft-ietf-nat-terminology-01.txt>, October 1998, Pgs. 1 to 28.
60.	Praveen Akkiraju, Yakov Rekhter, Internet Engineering Task Force, Internet Draft, "A Multihoming Solution Using NATs" <draft-akkiraju-nat-multihoming-00.txt>, November 1998, Pgs. 1 to 32.
61.	R. G. Moskowitz, Internet Engineering Task Force, Internet Draft, "Network Address Translation Issues with IPsec," <draft-moskowitz-net66-vpn-00.txt>, February 6, 1998, Pg. 1 to 8.
62.	R. Thay, N. Doraswa and R. Gle, Internet Engineering Task Force, Internet Draft "IP Security," <draft-ietf-ipsec-doc-roadmap-02.txt>, November 1997, Pgs. 1 to 12.
63.	T. Hain, Internet Engineering Task Force, Internet Draft, "Architectural Implications of NAT," <draft-iab-nat-implications-02.txt>, October 1998, Pgs. 1 to 14.
64.	W.T. Teo, S.W. Yeow, R. Singh, Internet Engineering Task Force, Internet Draft, "IP Relocation Through Twice Network Address Translators," <draft-ietf-nat-rnat-00.txt>, February 1999, Pgs. 1 to 20.
65.	W.T. Teo, S.W. Yeow, R. Singh, Internet Engineering Task Force, Internet Draft, "Reverse Twice Network Address Translators" (RAT), <draft-teoyeow-mip-rat-01.txt>, December 1998, Pgs. 1 to 20.
66.	W.T. Teo, Y. Li, Internet Engineering Task Force, Internet Draft, "Mobile IP Extension for Private Internets Support," <draft-teoyeli-mobileip-mvpn-02.txt>, February 1999, Pgs. 1 to 24.
67.	Yakov Rekhter, Internet Engineering Task Force, Internet Draft, "Implications of NATs on the TCP/IP Architecture," <draft-ietf-nat-arch-implications-00.txt>, February 1999, Pgs. 1 to 7.

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,720	Serial No. 09/521,788
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RECEIVED

OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

68.	K. Egevang, and P. Francis, Internet Engineering Task Force, ("IETF"), Request for Comments ("RFC") RFC-1631, "The IP Network Address Translator (NAT)", May 1994, Pages 1 – 10.
69.	Borella, Michael, <i>Technology Update – Protocol Helps Stretch IPv4 Addresses</i> , "Network World", Volume 17, No. 3, January 17, 2000, p. 43.
70.	Kent, Stephen, <i>Evaluating Certification Authority Security</i> , Aerospace Conference, 1998 IEEE, Online, Vol. 4, pp. 319-327 (March 21-23, 1998).
71.	Thayer, Rodney, <i>Bulletproof IP With Authentication and Encryption IPSec Adds a Layer of Armor to IP</i> , Data Communications, Vol. 26, No. 16, pp. 55-58, 60 (November 21, 1997)
72.	Borella, M., Grabelsky, D., Lo, J., Tuniguchi, K., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Protocol Specification <draft-ietf-nat-rsip-protocol-06.txt>", March 2000, Pgs. 1-48.
73.	Borella, M., Grabelsky, D., Lo, J., Tuniguchi, K., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Protocol Specification <draft-ietf-nat-rsip-protocol-07.txt>", July 2000, Pgs. 1-49.
74.	Montenegro, G., Internet Engineering Task Force, Internet Draft, "RSIP Support for End-to-End IPsec," <draft-ietf-nat-rsip-ipsec-04.txt>, July 2000, Pgs. 1 to 17.
75.	Borella, M., Lo, J., Grabelsky, D., Montenegro, G., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Framework <draft-ietf-nat-rsip-framework-05.txt>", July 2000, Pgs. 1-30.
76.	Borella, M., Montenegro, G., <i>RSIP: Address Sharing with End-To-End Security</i> , USENIX Conference, San Francisco, California, March 9, 2000, pgs. 1-9.
77.	Handley, M., et al. <i>SIP: Session Initiation Protocol</i> , Network Working Group, Request for Comments 2543, March 1999, Pgs. 1 to 153.
78.	ITU-T Recommendation H.225.0, <i>Call Signaling Protocols and Media Stream Packetization for Packet-Based Multimedia Communication Systems</i> , Series H: Audiovisual and Multimedia Systems – Infrastructure of Audiovisual Services – Transmission Multiplexing and Synchronization, (February, 1998)
79.	ITU-T Recommendation H.323, <i>Packet-Based Multimedia Communications Systems</i> , Series H: Audiovisual and Multimedia Systems – Infrastructure of Audiovisual Services – Systems and Terminal Equipment for Audiovisual Services, (February, 1998)
80.	McCanne et al., "The BSD Packet Filter: A New Architecture for User-Level Packet Capture," Proceedings of the 1993 Winter USENIX Technical Conference (Jan. 1993)
81.	Postel, J., <i>User Datagram Protocol</i> , Request for Comments 768, August 1980, pgs. 1 to 3.
82.	Postel, J., <i>Internet Protocol</i> , Request for Comments 791, September 1981, pgs. 1 to 45.
83.	Postel J., <i>Internet Control Message Protocol</i> , Request for Comments 792, September 1981, pgs. 1 to 21.

FORM PTO-1449
(Rev. 2-32)U.S. Department of Commerce
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99,720

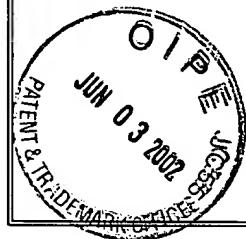
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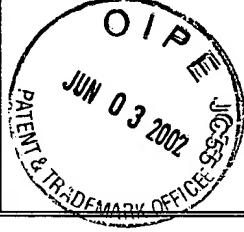
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2756

Technology Center 2100

OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)

84.	Postel, J., <i>Transmission Control Protocol</i> , Request for Comments 793, September 1981, pgs. i to 84.
85.	Postel, J., <i>File Transfer Protocol (FTP)</i> , Request for Comments 959, October 1985, pgs. 1 to 69.
86.	Jacobson, V., <i>TCP Extensions for High Performance</i> , Request for Comments 1323, May 1992, pgs. 1 to 37.
87.	Droms, R., <i>Dynamic Host Configuration Protocol</i> , Request for Comments 2131, March 1997, pgs. 1 to 45.
88.	Stevens, W., <i>Advanced Sockets API for IPv6</i> , Request for Comments 2292, February 1998, pgs. 1 to 67.
89.	Gilligan, R. et al., <i>Basic Socket Interface Extensions for IPv6</i> , Request for Comments 2553, March 1999, pgs. 1 to 41.
90.	Srisuresh, P. et al., <i>IP Network Address Translator (NAT) Terminology and Considerations</i> , Request for Comments 2663, August 1999, Pgs. 1 to 30.
91.	Maurice J. Bach, <i>The Design of the Unix Operating System</i> , Prentice Hall Software Series, 1986, pages 382-390.
92.	"Cisco IOS Release 12.0 Network Protocols Configuration Guide, Part 1", Configuring IP Addressing, Cisco Systems, 1998, pages PIC-7 to PIC-58.
93.	Durand, Alain, <i>Deploying Ipv6</i> , IEEE INTERNET COMPUTING, http://computer.org/internet , January-February 2001, pgs. 79 – 81.
94.	3COM SIP Solutions 1.0 benefits brochure. (4 total pages)
95.	Sidhu, Ikhlaq and Bezaitis, Andrew, Eat or be eaten, www.americasnetwork.com/issues/99issues/991101/991191_eat.htm , printed 5/10/00. (6 total pages)
96.	Myers, Brad A.; Stiel, Herb; and Gargiulo, Robert, Collaboration Using Multiple PDAs Connected to a PC, Proceedings of the ACM 1998 conference on Computer supported cooperative work, November 14-18, 1998, Seattle, WA. (total 11 pages)
97.	Dalgic, Ismail; Borella, Michael; Dean, Rick; Grabiec, Jacek; Mahler, Jerry; Schuster, Guido; and Sidhu, Ikhlaq, True Number Portability and Advanced Call Screening in a SIP-Based IP Telephony System, <i>IEEE Communications Magazine</i> , Vol. 37, No. 7, July 1999, pp. 96-101. (8 total pages)
98.	Handley/Schulzrinne/Schooler/Rosenberg, SIP: Session Initiation Protocol, Internet Engineering Task Force, draft-ietf-sip-rfc2543bis-02.ps . September 4, 2000. (131 pages)
99.	Borella, M., Lo, J., Grabelsky, D., Montenegro, G., IETF Proceedings presentation, "Realm Specific IP: Protocol Specification <draft-nat-rsip-protocol-00.txt>, 4/9/99 (13 pages).
100.	Marsan, Carolyn Duffy, The Next Best Things to Ipv6? Network World Fusion at http://www.nbwfusion.com/news/1999/0920ipv6.html , March 29, 2000, pgs 1-3.

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101	Borella, M., Lo, J., Grabelsky, D., Montenegro, G., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Framework <draft-ietf-nat-rsip-framework-.04.txt>", March 2000, Pgs. 1-30.
102	IETF March 1999 Proceedings, 2.7.10 Network Address Translators (nat), pgs. 1-13.
103	Rosenberg, Jonathan D. and Shockley, Richard, The Session Initiation Protocol (SIP): A Key Component for Internet Telephony, ComputerTelephony.com, June 2000, pages 124-139.
104	Fenner, W., <i>Internet Group Management Protocol Version 2</i> , RFC 2236, November 1997, pgs. 1-24.
105	Mogul, J. et al., "Internet Standard Subnetting Procedure", RFC 950, August, 1985, pgs. 1-18.
106	Schulzrinne et al., "RTP: A Transport Protocol for Real-Time Applications", RFC 1889, pgs. 1-75.
107	Privat, Jermone, "Double Phase DHCP Configuration", <draft-privat-dhc-doublephase-01.txt>, Internet Engineering Task Force, September 1999, pps. 1-4.
108	Borella, Michael et al., "Realm Specific IP: Protocol Specification", <draft-ietf-nat-rsip-protocol-02.txt>, Internet Draft, August 1999, pps. 1-27.
109	Gilligan, R. et al., "Transition Mechanisms for IPv6 Hosts and Routers", RFC 1933, April 1996, pps. 1-22.
110	Afifi, H. et al., "Method for IPv4-IPv6 Transition", Proceedings IEEE International Symposium on Computers and Communications, July 6-8, 1999, pps. 478-484.

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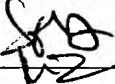
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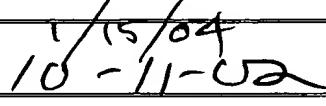
U. S. PATENT DOCUMENTS

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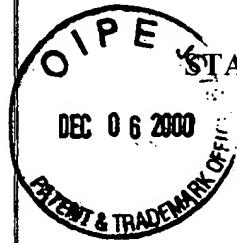
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MPJSA	5	3	2	7	3	6	5	5-Jul-94	Fujisaki et al.			Technology Center 2100

FOREIGN PATENT DOCUMENTS

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												Yes	
													No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initials	Date	
MPJSA	Mar 1999	RFC2522-“Photuris: Session-Key Management Protocol,” P. Karn, Qualcomm; W. Simpson, DayDreamer; The Internet Society, March 1999 (See Explicitly: Section 3-“Cookie Exchange”).
MPJSA	Nov 1998	RFC2408-“Internet Security Association and Key Management Protocol (ISAKMP),” D. Maughan, National Security Agency; M. Schertler, Securify, Inc.; M. Schneider, National Security Agency; J. Turner, RABA Technologies, Inc.; The Internet Society, November 1998 (See Explicitly: Section 1.7.1 “Anti-Clogging-Denial of Service”).
MPJSA	Various	“Random Number Generators,” Computational Science Education Project, 1991, 1992, 1993, 1994, 1995.
MPJSA	1995	“10 Random Numbers,” Ian Foster, 1995.
EXAMINER	<i>MPJSA</i>	DATE CONSIDERED <i>10-11-00</i> 1/18/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication.